



Specification grade area lights available with IES Type III distribution. For use for roadway, general parking and other area lighting applications where a larger pool of lighting is required. Patent pending thermal management system. 5 Year Warranty.

Color: White

Weight: 32.0 lbs

**Project:**

**Type:**

**Prepared By:**

**Date:**

**Driver Info**

Type: Constant Current  
 120V: N/A  
 208V: N/A  
 240V: N/A  
 277V: N/A  
 Input Watts: 80W  
 Efficiency: 98%

**LED Info**

Watts: 78W  
 Color Temp: 3000K  
 Color Accuracy: 82 CRI  
 L70 Lifespan: 100000  
 Lumens: 6,190  
 Efficacy: 78 LPW

## Technical Specifications

**Electrical**

**Photocell:**

480V Swivel Photocell Included. Photocell is only compatible with 347-480V.

**Driver:**

Constant Current, Class 2, 2000mA, 480V, 50-60Hz, 0.172A, Power Factor 96.4%

**THD:**

10.6% at 480V

**Surge Protection:**

4kV

**Surge Protector:**

ALED78 is available with a 6kV surge protector (SP6). SP6 available .

**Listings**

**UL Listing:**

Suitable for wet locations as a downlight.

**IESNA LM-79 & IESNA LM-80 Testing:**

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and 80, and have received the Department of Energy "Lighting Facts" label.

**Optical**

**Lumen Maintenance:**

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

**Replacement:**

The ALED78 replaces 250W Metal Halide Area Lights.

**BUG Rating:**

B1 U0 G2

**Construction**

**IES Classification:**

The Type III distribution is ideal for roadway, general parking and other area lighting applications where a larger pool of lighting is required. It is intended to be located near the side of the area, allowing the light to project outward and fill the area.

**IP Rating:**

Ingress Protection rating of IP66 for dust and water.

**Ambient Temperature:**

Suitable for use in 40°C ambient temperatures.

**Cold Weather Starting:**

The minimum starting temperature is -40°C/-40°F

**Thermal Management:**

Superior heat sinking with external Air-Flow fins.

**Effective Projected Area:**

EPA = 2.2

**Housing:**

Die cast aluminum housing, lens frame and mounting arm.

**Reflector:**

Specular vacuum-metallized polycarbonate

**Gaskets:**

High temperature silicone gaskets.

**Finish:**

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contains no VOC or toxic heavy metals.

**Green Technology:**

Mercury and UV free. RoHS compliant components. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

**For use on LEED Buildings:**

IDA Dark Sky Approval means that this fixture can be used to achieve LEED Credits for Light Pollution Reduction.

**LED Characteristics**

**LEDs:**

Six (6) multi-chip, 13W, high-output, long-life LEDs.

**Color Consistency:**

3-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color.

**Color Stability:**

LED color temperature is warranted to shift no more than 200K in CCT over a 5 year period.

**Color Uniformity:**

RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2011.

## Technical Specifications (continued)

### Other

#### California Title 24:

ALED3T78/480/PCS4 with the swivel photocell (480V) option complies with 2013 California Title 24 building and electrical codes as a commercial outdoor pole-mounted fixture > 75 Watts at mounting heights greater than 24 feet.

#### Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish.

#### Patents:

The ALED design is protected by patents in the U.S. Pat. 668,370, Canada Pat. 144956, China ZL201230100154.X, and Mexico Pat. 38423. Pending patents in Taiwan.

#### Country of Origin:

Designed by RAB in New Jersey and assembled in the USA by RAB's IBEW Local 3 workers.

#### Buy American Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Buy American Act.

#### Recovery Act (ARRA) Compliant:

This product complies with the 52.225-21 "Required Use of American Iron, Steel, and Manufactured Goods-- Buy American Act-- Construction Materials (October 2010).

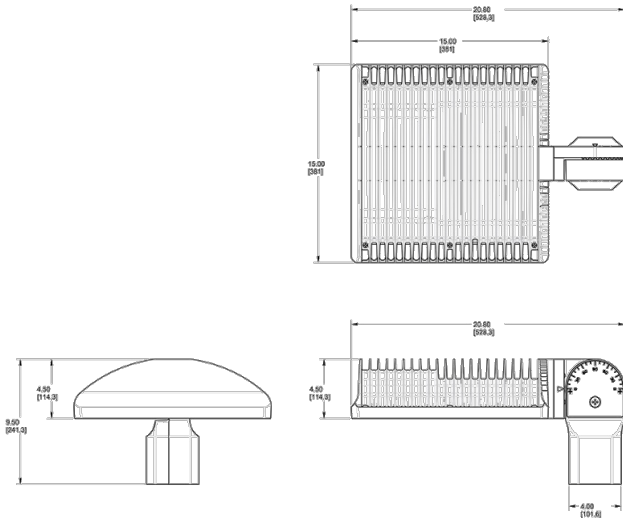
#### Trade Agreements Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Trade Agreements Act.

#### GSA Schedule:

Suitable in accordance with FAR Subpart 25.4.

## Dimensions



## Features

- 66% energy cost savings vs. HID
- 100,000-hour LED lifespan
- Type III distribution
- 5-year warranty

## Ordering Matrix

Family	Distribution	Watts	Mount	Color Temp	Finish	Voltage	Photocell	Dimming	Bi-Level
ALED									
	2T = Type II	360 =	Blank =	Blank = 5000K	Blank =	Blank = 120-277V	Blank = No Photocell	Blank = No	Blank = No Bi-
	3T = Type III	360W	Arm	(Cool)	Bronze	/480 = 480V (Only 360W &	/PC = 120V Button	Dimming	Level
	4T = Type IV	260 =	SF =	Y = 3000K	W = White	260W)	/PC2 = 277V Button	/D10 = Dimmable	/BL = Bi-Level
		260W	Slipfitter	(Warm)	RG = Gray		/PCS = 120V Swivel		
		150 =		N = 4000K			/PCS2 = 277V Swivel		
		150W		(Neutral)			/PCT = 120-277V		
		125 =					Twistlock		
		125W					/PCS4 = 480V Swivel		
		105 =					/PCT4 = 480V		
		105W					Twistlock		
		78 = 78W							